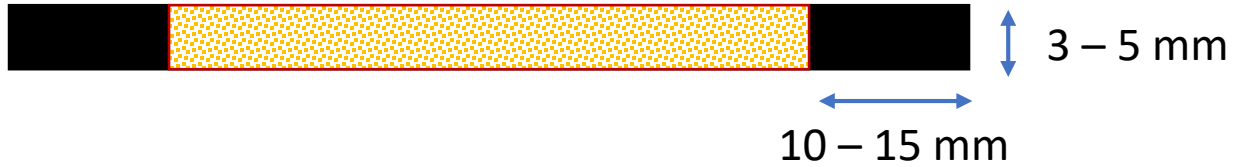


Mechanical components of basic μ RWELL detector

Cathode honeycomb support



Cathode foil



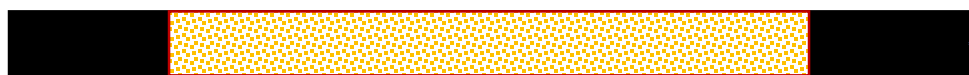
Drift gap frame foil



μ RWELL – R/O combo foil



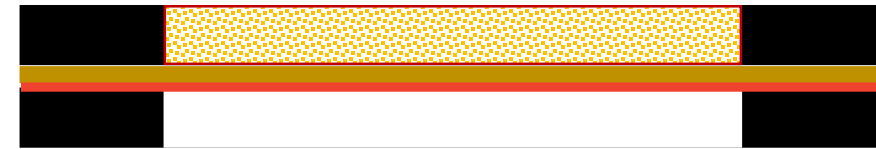
μ RWELL honeycomb support



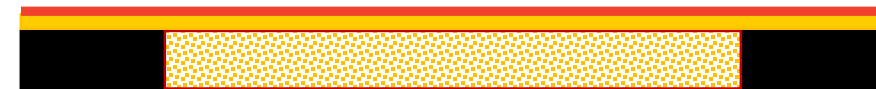
Frame material options

- G10
- PEEK
- CF

Cathode block: all pieces glued together

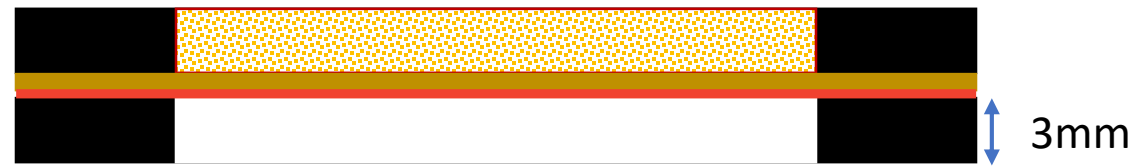


μ RWELL block: all pieces glued together

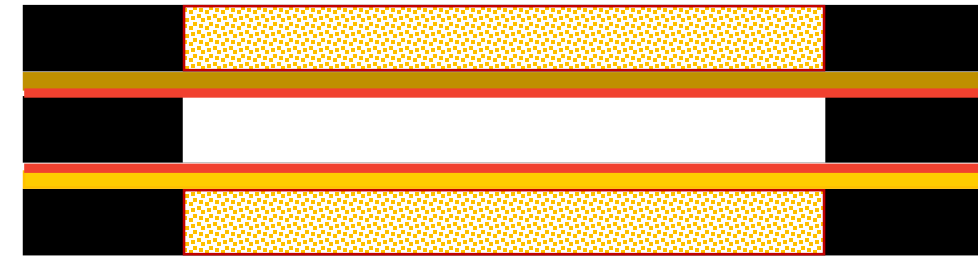
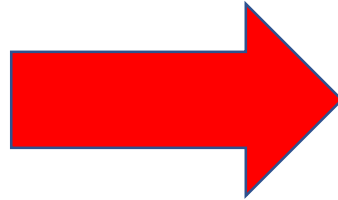
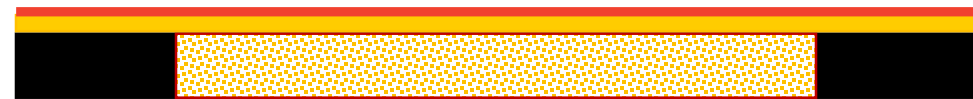


Standard (3 mm) gap μ RWELL (single amplification)

Cathode block



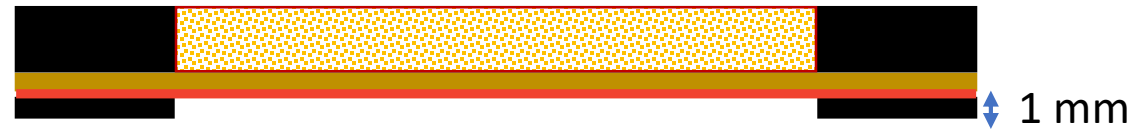
μ RWELL block



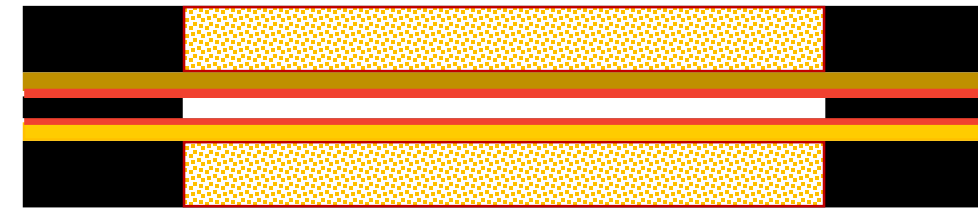
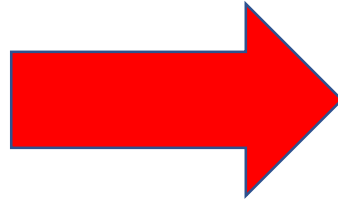
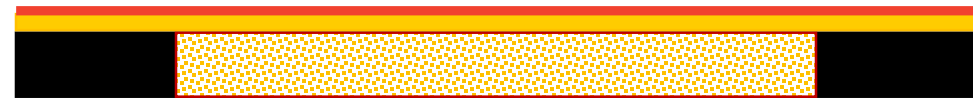
Standard gap μ RWELL detector

Thin-gap (1 mm) μ RWELL (single amplification)

Cathode block



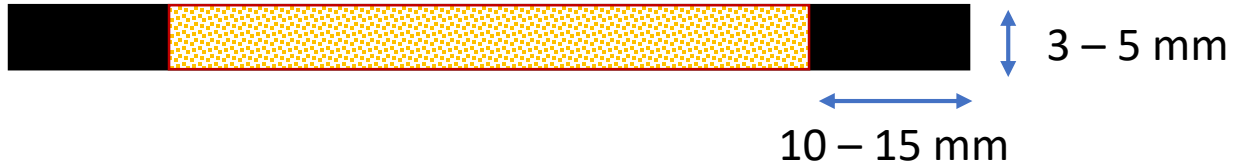
μ RWELL block



Standard gap μ RWELL detector

Mechanical components of hybrid GEM- μ RWELL detector

Cathode honeycomb support



Cathode foil



drift gap frame



GEM foil



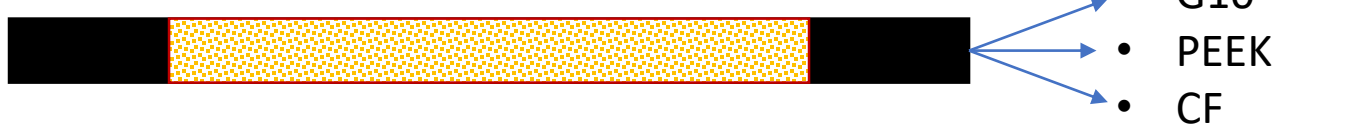
Induction gap frame



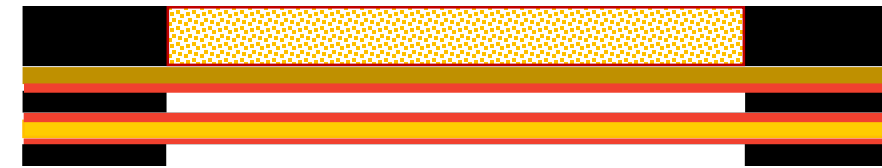
μ RWELL – R/O combo foil



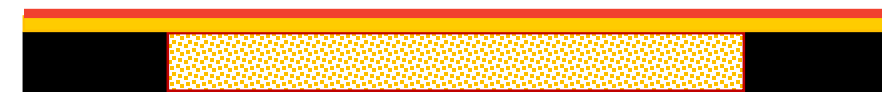
μ RWELL honeycomb support



Cathode-GEM block: all pieces glued together

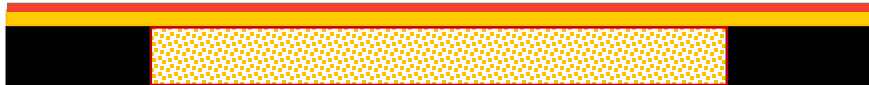
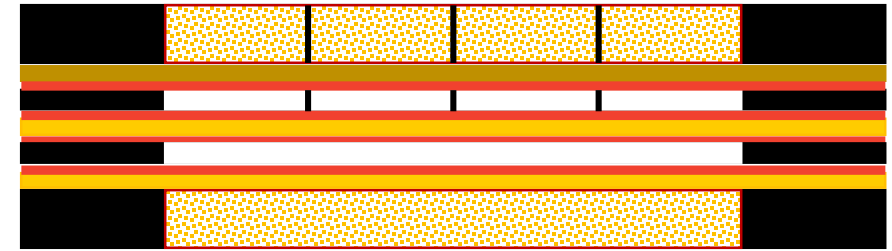
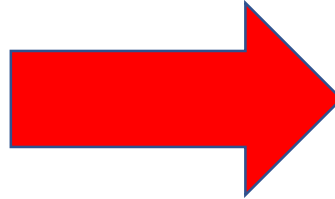
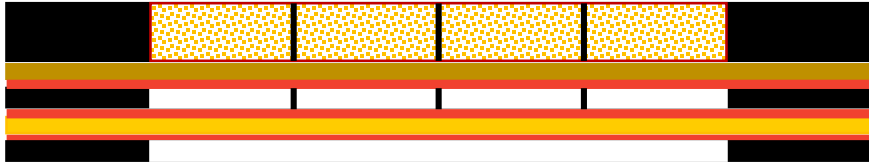


μ RWELL block: all pieces glued together



Mechanical components of hybrid GEM- μ RWELL detector

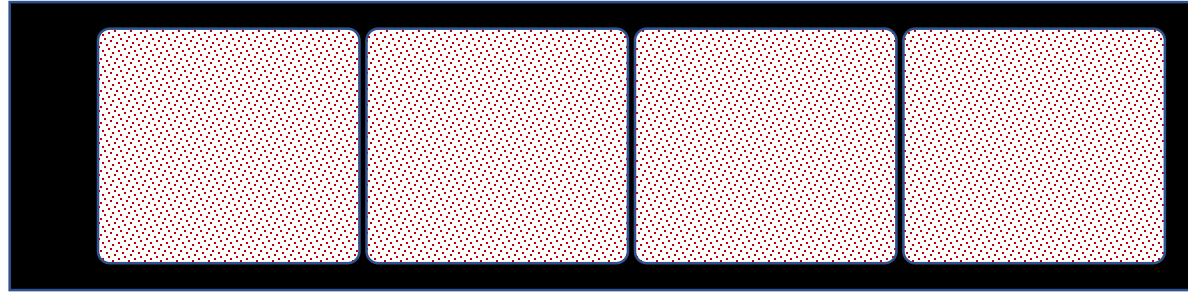
Cathode-GEM block: pieces glued together



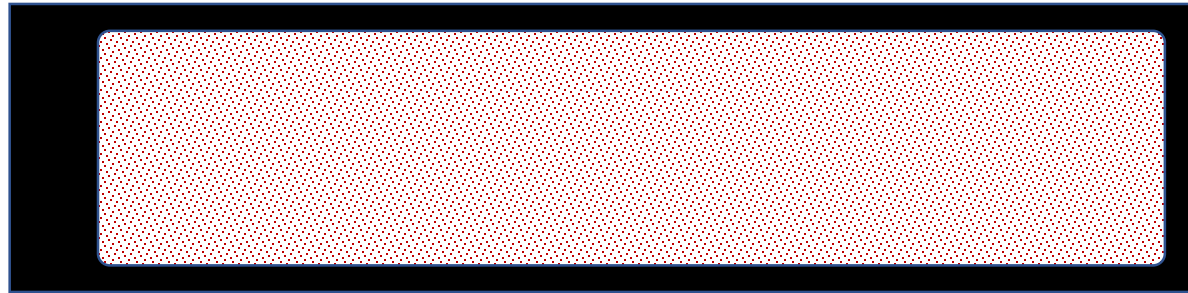
μ RWELL block: all pieces glued together

Different frames

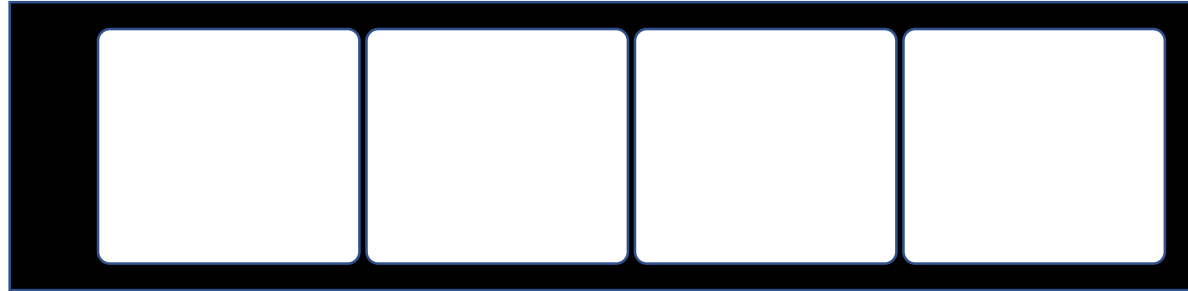
all cathodes: 3 - 5 mm Honeycomb frame



all μ RWELL: 3 - 5 mm Honeycomb frame



Hybrid thin gap: 1 mm GEM frame



Hybrid thin gap: 2 mm induction frame

Thin gap: 1 mm drift frame

Standard μ RWELL: 3 mm drift frame

